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**Techfuse**  
**PTC Devices**  
 Resettable Fuse

PRODUCT: mSMD050  
 DOCUMENT: QR0429  
 ECN. NO.:  
 REV LETTER:  
 REV DATE: 2026/3/20  
 PAGE NO.: 1 of 1

# Specification Sheet

Terminal Pad Solderability:  
 Meets EIA Specification RS186-9E  
 And ANSI/J-STD-002 Category 3.

Terminal Pad Materials:  
 Tin-plated Nickel-Copper

Lead-Free, RoHS Compliant

Marking:

$\alpha$  Alpha Logo  
 050 Part Identification

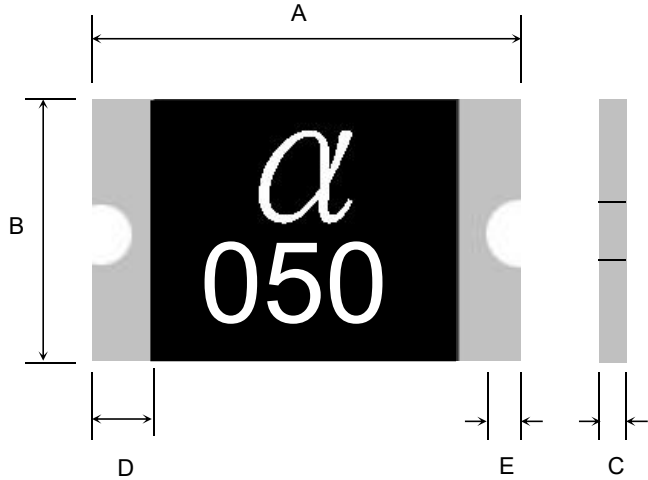


TABLE I. DIMENSIONS:

Model	A		B		C		D	E
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
mSMD050	4.37	4.73	3.07	3.41	0.60	1.60	0.30	0.25

Unit:mm


TABLE II. PERFORMANCE RATINGS:

Model	$V_{max}$ (V)	$I_{max}$ (A)	$I_{hold}$ @25°C (A)	$I_{trip}$ @25°C (A)	$P_d$ Typ. (W)	Maximum Time To Trip		Resistance	
						Current (A)	Time (Sec)	$R_{i_{min}}$ (Ω)	$R_{1_{max}}$ (Ω)
						mSMD050	33	100	0.50

mSMD1812	050	33v	Tape & Reel Quantity
Product name	Hold	Max	1500 pcs/reel
Size 4532 mm / 1812 mils	Current	voltage	
SMD: surface mount device	0.50A		

Recognition:

Agency Approvals :  E201504/E319079

 R 50481056

 CQC25001473187  
 GB 4943.1-2022;IEC 60730-1 : 2013 15、17、J.15、J.17;GB/T 7153-200

Regulation/Standard: 2015/863/EU



EN14582

